

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1.-17. (Canceled)

Claim 18. (Currently Amended) Sensor arrangement for a vehicle control system, said sensor arrangement, comprising:

a buffer for geographic vehicle operation information;

an input interface for selecting a subset of the geographic vehicle operation information stored in the buffer, in response to at least one position-related parameter value entered at the input interface; and

an output interface for outputting the subset of the geographic vehicle operation information corresponding to the at least one parameter ~~values~~ value, whereby the output information is sent for further processing in the vehicle control system; wherein.

~~wherein~~ said geographic vehicle operation information consists of geographic information that is limited to controlling operation of said at least one vehicle control system as the vehicle traverses at least one possible route; [[.]]

said buffer is an isolated buffer cache having only said limited geographic information stored therein; and

said limited geographic information consists of a non-navigable subset of a vehicle navigation information included in a digital road map, and excludes address and polygon data that are needed for navigation, as well as all information regarding built up areas.

Claim 19. (Previously Presented) The sensor arrangement according to of Claim 18, wherein the buffer is overwritable.

Claim 20. (Previously Presented) The sensor arrangement according to Claim 19, wherein the buffer comprises a flash ROM.

Claim 21. (Previously Presented) The sensor arrangement according to Claim 20, wherein at least one of the input and output interfaces is connected to a vehicle-based information network.

Claim 22. (Previously Presented) The sensor arrangement according to Claim 21, wherein the geographic vehicle operation information is at least partially or incrementally changeable.

Claim 23. (Previously Presented) The sensor arrangement according to Claim 22, wherein change of the geographic vehicle operation information is performed by means of a data transmission line connected to the buffer.

Claim 24. (Previously Presented) The sensor arrangement according to Claim 23, wherein one of a geographic position of the vehicle, a geographic area based thereon, and a route section based thereon, is entered as a parameter value at the input interface.

Claim 25. (Previously Presented) The sensor arrangement according to Claim 24, further comprising an EDP connection with a vehicle-based telematics platform.

Claim 26. (Previously Presented) The sensor arrangement according to Claim 25, further comprising an EDP connection with a vehicle-based road impact fees calculator.

Claim 27. (Previously Presented) The sensor arrangement according to Claim 26, further comprising an EDP connection with a navigation system.

Claim 28. (Previously Presented) The sensor arrangement according to Claim 27, wherein the navigation system is centrally based.

Claim 29. (Cancelled)

Claim 30. (Previously Presented) The sensor arrangement according to Claim 18, wherein a non straight parameter-based, partial section of a route is described in said geographic data as one of a circular arc, a clothoid and a spline.

Claim 31. (Previously Presented) The sensor arrangement according to Claim 18, wherein the geographic vehicle operation information describes at least one route of the vehicle.

Claim 32. (Previously Presented) The sensor arrangement according to Claim 31, wherein the vehicle is a commercial vehicle.

Claim 33. (Previously Presented) The sensor arrangement according to Claim 18, wherein the sensor arrangement comprises an intelligent sensor.

Claim 34. (Cancelled)

Claim 35. (Currently Amended) The sensor arrangement according to Claim 18, wherein nonlinear route sections are defined in said geographic vehicle operation information by a parameter based description of said nonlinear route sections sections as one of a circular arc, a clothoid and a spline.

Claim 36. (Previously Presented) The sensor arrangement according to Claim 35, wherein at least one of clothoids and curves whose curvature increases proportionally with arc length are used as transitions between circular arcs and straight sections.

Claim 37. (Currently Amended) A vehicle control arrangement, comprising:

[[At]] at least one vehicle control system for controlling operation of said vehicle;

a buffer for geographic vehicle operation information;

an input interface for selecting a subset of the geographic vehicle operation information stored in the buffer, in response to at least one position-related parameter entered at the input interface; and

an output interface for outputting the subset of the geographic vehicle operation information corresponding to the at least one parameter value, whereby the output information is sent for further processing in said at least one vehicle control system; wherein,

~~wherein~~ said geographic vehicle operation information consists of certified geographic information that is limited to controlling operation of said at least one vehicle control system as the vehicle traverses at least one possible route; [[.]]

said buffer is an isolated buffer cache in the form of a memory chip, having only said vehicle operation information stored therein; and

said geographic vehicle operation information consists of a non-navigable subset of vehicle navigation digital road map information; and

said geographic vehicle operation information includes only information regarding areas that are not built up, and excludes i) address and polygon data that are needed for navigation, and ii) information regarding built up areas.

Claim 38. (New) The sensor arrangement according to Claim 18, wherein said buffer is formed on a memory chip.